Traccia 1

The candidate answers the following questions concisely, concretely and accompanying the answer, where required, with a simple but adequate example to illustrate the theoretical aspects of the question.

1. The candidate briefly describes a model of unsupervised machine learning and discusses its application in a concrete case.

2. The candidate briefly describes the problem of overfitting in machine learning and illustrates a technique to mitigate its effects.

3. The candidate briefly describes the method of least squares for linear regression and discusses its application in a concrete case.